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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/723,307

DATE: 10/04/2001  
 TIME: 17:55:12

Input Set : A:\21417914.app  
 Output Set: N:\CRF3\10042001\I723307.raw

3 <110> APPLICANT: CALENOFF, EMANUEL  
 4 DITLOW, CHARLES C.  
 6 <120> TITLE OF INVENTION: IMMUNOGENIC CANCER PEPTIDES AND USES THEREOF  
 8 <130> FILE REFERENCE: 21417-91482  
 10 <140> CURRENT APPLICATION NUMBER: 09/723,307  
 C--> 11 <141> CURRENT FILING DATE: 2001-09-19  
 13 <160> NUMBER OF SEQ ID NOS: 68  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 5  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 24 peptide  
 26 <220> FEATURE:  
 27 <221> NAME/KEY: MOD\_RES  
 28 <222> LOCATION: (3)  
 29 <223> OTHER INFORMATION: variable deglycosylated amino acid  
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 33 1 5  
 36 <210> SEQ ID NO: 2  
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 38 <212> TYPE: PRT  
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 42 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 45 <220> FEATURE:  
 46 <221> NAME/KEY: MOD\_RES  
 47 <222> LOCATION: (3)  
 48 <223> OTHER INFORMATION: variable deglycosylated amino acid  
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 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 65 <221> NAME/KEY: MOD\_RES  
 66 <222> LOCATION: (3)..(4)  
 67 <223> OTHER INFORMATION: variable deglycosylated amino acid

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69 <400> SEQUENCE: 3
W--> 70 Asn Asn Xaa Xaa Ser Ser
71 1 5
74 <210> SEQ ID NO: 4
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77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (3)
86 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 89 Asp Lys Xaa Ser Thr
90 1 5
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95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
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100 peptide
102 <220> FEATURE:
103 <221> NAME/KEY: MOD_RES
104 <222> LOCATION: (3)
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W--> 108 Gly Thr Xaa Lys Thr
109 1 5
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114 <212> TYPE: PRT
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133 <212> TYPE: PRT
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136 <220> FEATURE:  
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143 <223> OTHER INFORMATION: variable deglycosylated amino acid  
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147 1 5  
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153 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
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161 <222> LOCATION: (3)  
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166 1 5  
169 <210> SEQ ID NO: 9  
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195 peptide  
197 <220> FEATURE:  
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199 <222> LOCATION: (3)  
200 <223> OTHER INFORMATION: variable deglycosylated amino acid

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213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214 peptide
216 <220> FEATURE:
217 <221> NAME/KEY: MOD_RES
218 <222> LOCATION: (3)
219 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 222 Phe Cys Xaa Arg Ser
223 1 5
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 5
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
233 peptide
235 <220> FEATURE:
236 <221> NAME/KEY: MOD_RES
237 <222> LOCATION: (3)
238 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 241 Lys Asn Xaa His Thr
242 1 5
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 5
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
252 peptide
254 <220> FEATURE:
255 <221> NAME/KEY: MOD_RES
256 <222> LOCATION: (3)
257 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 260 Ser Ala Xaa Arg Ser
261 1 5
264 <210> SEQ ID NO: 14
265 <211> LENGTH: 5
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence

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273 <220> FEATURE:
274 <221> NAME/KEY: MOD_RES
275 <222> LOCATION: (3)
276 <223> OTHER INFORMATION: variable deglycosylated amino acid
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      280   1           5
283 <210> SEQ ID NO: 15
284 <211> LENGTH: 5
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290     peptide
292 <220> FEATURE:
293 <221> NAME/KEY: MOD_RES
294 <222> LOCATION: (3)
295 <223> OTHER INFORMATION: variable deglycosylated amino acid
297 <400> SEQUENCE: 15
W--> 298 Ser Lys Xaa Gln Ser
      299   1           5
302 <210> SEQ ID NO: 16
303 <211> LENGTH: 5
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
309     peptide
311 <220> FEATURE:
312 <221> NAME/KEY: MOD_RES
313 <222> LOCATION: (3)
314 <223> OTHER INFORMATION: variable deglycosylated amino acid
316 <400> SEQUENCE: 16
W--> 317 Pro Gly Xaa Arg Thr
      318   1           5
321 <210> SEQ ID NO: 17
322 <211> LENGTH: 5
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
328     peptide
330 <220> FEATURE:
331 <221> NAME/KEY: MOD_RES
332 <222> LOCATION: (3)
333 <223> OTHER INFORMATION: variable deglycosylated amino acid

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/723,307

DATE: 10/04/2001

TIME: 17:55:13

Input Set : A:\21417914.app

Output Set: N:\CRF3\10042001\I723307.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

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L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
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L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50